

04-17-01

Inside the envelope put
CDA/Box
See

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

04/16/01



PTO

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 1242/26/2

First Inventor David B. Mount

Title See 1 in Addendum

Express Mail Label No. EK580268211US

PTO
09/18/2001

04/16/01

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 162]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 42]
5. Oath or Declaration [Total Pages 3]
- a. ☒ **Unexecuted**
~~Not Executed~~ (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☒ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☒ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☒ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☒ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Check for \$1740.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. _____ / _____

Prior application information

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

(Insert Customer Number or Bar Code Label here)

or ☐ Correspondence address below

Name

25297

PATENT TRADEMARK OFFICE

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

Arles A. Taylor, Jr.

Registration No. (Attorney/Agent)

39,395

Signature

Arles A. Taylor, Jr.

Date

April 16, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Addendum

1. PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME

092397-041501

JENKINS & WILSON, P.A.

PATENT ATTORNEYS

SUITE 1400 UNIVERSITY TOWER
3100 TOWER BOULEVARD
DURHAM, NORTH CAROLINA 27707

TELEPHONE (919) 493-8000
FACSIMILE (919) 419-0383

WEBSITE
JENKINSANDWILSON.COM

RALEIGH OFFICE

NCSU CENTENNIAL CAMPUS
VENTURE II SUITE 400
920 MAIN CAMPUS DRIVE
RALEIGH, NORTH CAROLINA 27606

TELEPHONE (919) 424-3710
FACSIMILE (919) 424-3711

RICHARD E. JENKINS
JEFFREY L. WILSON
ARLES A. TAYLOR, JR.

JENNIFER L. SKORD
DAVID P. GLOEKLER
GREGORY A. HUNT

JOHN A. LAMERDIN, PH.D. (PATENT AGENT)
DAVID P. STITZEL (PATENT AGENT)
JULIE A. BROADUS, PH.D. (PATENT AGENT)
E. ERIC MILLS, P.E. (PATENT AGENT)

April 16, 2001

"Express Mail" mailing number.: EK580268211US

Date of Deposit 4/16/01

I hereby certify that this paper of fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patent and Trademarks, Washington, D.C.

April N. Williams

April N. Williams

Commissioner for Patents
BOX PATENT APPLICATION
Washington, D.C. 20231

Re: U.S. Patent Application for PURIFIED AND ISOLATED POTASSIUM-
CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND
POLYPEPTIDES AND THERAPEUTIC AND SCREENING
METHODS USING SAME
Our File No. 1242/26/2

Sir:

Please find enclosed the following:

1. A U.S. patent application for PURIFIED AND ISOLATED POTASSIUM-CHLORIDE COTRANSPORTER NUCLEIC ACIDS AND POLYPEPTIDES AND THERAPEUTIC AND SCREENING METHODS USING SAME (162 pages);
2. Forty-two (42) sheets of drawings;
3. Unexecuted Declaration (3 pages);
4. Copy of previously recorded executed Assignment (3 pages);
5. Utility Patent Application Transmittal Form (Form PTO/SB/05, 2 pages);
6. Fee Transmittal Form (Form PTO/SB/17) in duplicate;
7. Copy of previously filed Recordation Form Cover Sheet (Form PTO-1595, 1 page);

109140 9466660

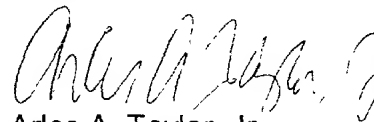
8. Copy of Notice of Recordation of Assignment Document indicating reel/frame information;
9. Sequence Listing in Computer Readable Form (the undersigned hereby verifies the identity of the computer readable form of the Sequence Listing and the Sequence Listing as presented on the enclosed compact discs);
10. Sequence Listing on compact disc (in duplicate);
11. Transmittal Letter for Compact Discs (CDs) Bearing Sequence Listing - Copy 1);
12. Transmittal Letter for Compact Discs (CDs) Bearing Sequence Listing - Copy 2);
13. A check in the amount of \$1740.00 to cover the application filing fee;
14. A return-receipt postcard to be returned to our offices with the U.S. Patent and Trademark Office date stamp thereon; and
15. A Certificate of Express Mail No.: EK580268211US.

Please contact our offices if there are any questions.

Although a check is being submitted, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.



Arles A. Taylor, Jr.
Registration No. 39,395

AAT/ajm

Enclosures

109740 9263660